

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1377	474/69 or 474/74 or 474/74 or 474/86 or 474/87 or 474/273 or 474/88 or 474/89 or 474/148	US-PGPUB; USPAT	ADJ	ON	2009/02/06 13:44
S1	0	("pulley.ab. and vibration").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 16:46
S2	0	("pulley.ab. and vibration").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 16:46
S3	1139	pulley.ab. and vibration	US-PGPUB; USPAT	ADJ	OFF	2009/02/04 16:47
S4	251	(pulley and irregular or non\$1circular).ab. and vibration	US-PGPUB; USPAT	ADJ	OFF	2009/02/04 16:56
S5	23	(pulley and irregular or non\$1circular).ab. and vibration and crankshaft	US-PGPUB; USPAT	ADJ	OFF	2009/02/04 16:57
S6	4	(pulley and (irregular or non\$1circular or oval)).ab. and vibration and crankshaft	US-PGPUB; USPAT	ADJ	OFF	2009/02/04 16:58
S7	13	(pulley and (irregular or non\$1circular or oval)).ab. and vibration	US-PGPUB; USPAT	ADJ	OFF	2009/02/04 16:58
S8	78	((pulley or rotor) and (irregular or non \$1circular or oval)).ab. and vibration	US-PGPUB; USPAT	ADJ	OFF	2009/02/04 17:03
S9	2	"20030104886"	US-PGPUB; USPAT	ADJ	OFF	2009/02/04 17:07

S10	34	("0515449"   "0571086"   "0613756"   "1650449"   "1936117"   "1963314"   "20030087714"   "2477441"   "2941413"   "3583250"   "3752035"   "3830212"   "3858454"   "4193324"   "4337056"   "4515577"   "4810237"   "4865577"   "4913684"   "5492390"   "5772546"   "5882025"   "5935046"   "6019692"   "6189639").PN. OR ("7044875").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 17:10
S11	314668	crankshaft pulley	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 19:07
S12	7065	crankshaft same pulley	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/04 19:07
S13	1362	crankshaft same pulley and vibration	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/04 19:07
S14	2	"2001304374"	US-PGPUB; USPAT; USOCR; JPO	ADJ	OFF	2009/02/04 19:11
S15	362	pulley.ab. and vibration and crankshaft	US-PGPUB; USPAT; USOCR; JPO	ADJ	OFF	2009/02/04 20:20
S16	7	("1650449").URPN.	USPAT	OR	OFF	2009/02/04 20:58
S17	31	("0524830"   "0679076"   "0724450"   "1486590"   "1650449"   "2421368").PN. OR ("3867851").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 21:04
S18	71622	adjustable and (oval or irregular or non \$1circular)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/04 21:18
S19	10295	adjustable and (oval or irregular or non \$1circular) and (pulley or rotor)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/04 21:18

S20	34	adjustable and ((oval or irregular or non\$1circular) and (pulley or rotor)).ab.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/04 21:18
S21	279	((oval or irregular or non\$1circular) and (pulley or rotor)).ab.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/04 21:22
S22	24	("1079082"   "1416078"   "1946787"   "2786540"   "3370889"   "3459454"   "3802743"   "4046339").PN. OR ("5492390").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 12:47
S23	113	electric motor and brushes and linear actuator	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 13:17
S24	1367	memory alloy near4 actuator	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 13:39
S25	812	memory alloy near4 actuator and linear	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 13:39
S26	840	shape memory alloy near4 actuator and linear	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 13:40
S27	494	organic resin and wheel	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 13:52
S28	0	"wheel.ab.organic" resin and wheel	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 13:52
S29	0	"wheel.ab. andorganic" resin and wheel	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 13:52
S30	0	"wheel.ab. and organic" resin and wheel	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 13:52
S31	46	wheel.ab. and organic resin and wheel	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 13:52
S32	15	shape memory alloy near4 actuator and linear and brushes	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 15:11
S33	388	piezoelectric stacks	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 15:20

S34	243	piezoelectric stacks and actuator	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 15:21
S35	5	piezoelectric stacks and actuator and pulley	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 15:24
S36	473	pulley.ab. and opening and vibration	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 15:25
S37	1040	pulley.ab. and centrifugal	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 15:40
S38	24	("2092469"   "2145083"   "2678566"   "2699071"   "2790525"   "2987934"   "3161071"   "3287987"   "3393572"   "3605511"   "3884316"   "3996811").PN. OR ("4310322").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 15:52
S39	5	"5520583"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 16:31
S40	17	("0616630"   "0663928"   "3969948"   "4342559"   "4373926"   "4530676"   "4652250"   "4741546"   "4832660"   "4836046"   "5407395").PN. OR ("5520583").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 16:32
S41	2466	(rotor or pulley).ab. and centrifugal and vibration	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 16:36
S42	503	(rotor or pulley).ab. and centrifugal and vibration and belt	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 16:39
S43	222171	piezoelectric stacks	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 17:38
S44	388	piezoelectric stacks	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 17:38
S45	2680	(hydraulic cylinder).ab. and spring	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/05 19:37

S46	403	(pulley or rotor) and (vibration or balancing) and crankshaft and (orientation or oriented)	USPAT	OR	OFF	2009/02/05 20:45
S47	752	(pulley or rotor) and (vibration or balancing) and crankshaft and (orientation or oriented)	US-PGPUB; USPAT	ADJ	ON	2009/02/05 20:45
S48	23	(pulley or rotor) and (vibration or balancing) and crankshaft and (orientation or oriented) and keyway	US-PGPUB; USPAT	ADJ	ON	2009/02/05 20:53
S49	3281	(oval or irregular or non circular) and crankshaft	US-PGPUB; USPAT	ADJ	ON	2009/02/06 12:01

2/6/2009 1:50:42 PM

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